CAN-Bus - Powertrain, Comfort System and Data Link Connector (DLC)

From October 2000

Notes:

- *Information for*
- *Relay and fuse arrangements*
- *Connector arrangements*
- *Control Modules and Relays*
- *Ground connections*
- *⇒ Component Locations!*
- *Information for*
- *Troubleshooting Procedures*
- *⇒ Guided Fault Finding using VAS 5051/5052*

Edition 10.02

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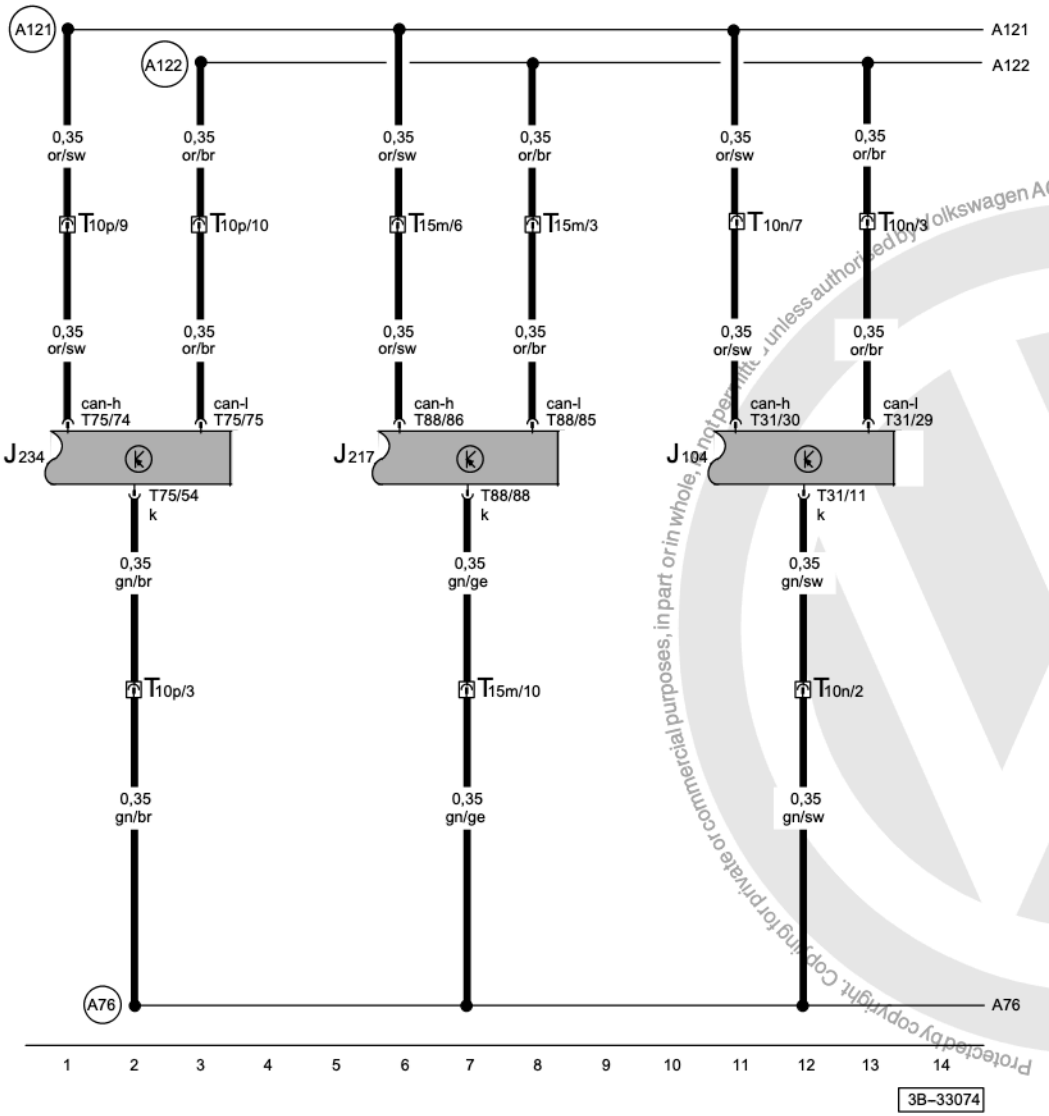

ABS Control Module, Transmission Control Module, Airbag Control Module

Edition10
.02

J104	ABS Control Module (w/EDL)
J217	Transmission Control Module (TCM)
J234	Airbag Control Module
T10n	10-Pin Connector, orange, connector station A-pillar, left
T10p	10-Pin Connector, yellow, connector station A-pillar, right
T15m	15-Pin Connector, brown, connector station A-pillar, right
T31	31-Pin Connector, on ABS Control Module (w/EDL)
T75	75-Pin Connector, on Airbag Control Module
T88	88-Pin Connector, on Transmission Control Module (TCM)
A76	Connector (K-diagnosis wire) in instrument panel wiring harness
A121	Connection (high bus) in instrument panel wiring harness
A122	Connection (low bus) in instrument panel wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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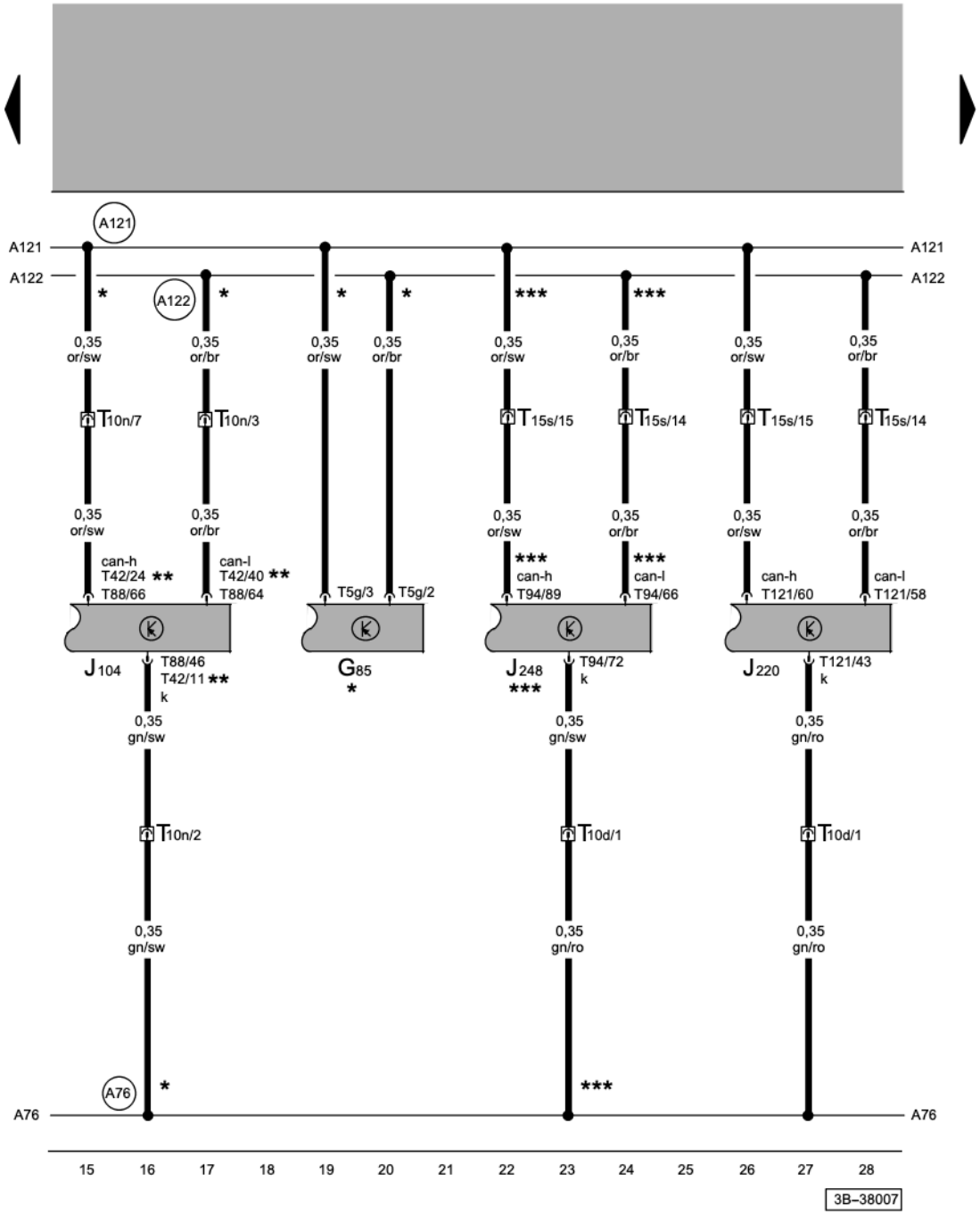

ABS Control Module, Motronic Engine Control Module, Steering Angle Sensor, Diesel Direct Fuel Injection Engine Control Module

Edition12
.03

G85	Steering Angle Sensor
J104	ABS Control Module (w/EDL) *
J220	Motronic Engine Control Module (ECM), on protective housing for control module, in engine compartment, left
J248	Diesel Direct Fuel Injection (DFI) Engine Control Module (ECM)
T5g	5-Pin Connector
T10d	10-Pin Connector, brown, on protective housing for control module, in engine compartment, left
T10n	10-Pin Connector, orange, connector station A-pillar, left
T15s	15-Pin Connector, red, on protective housing for control module, in engine compartment,left
T42	42-Pin connector
T88	88-Pin Connector, on Transmission Control Module (TCM)
T94	94-Pin connector
T121	121-Pin Connector, on Motronic Engine Control Module (ECM)
A76	Connector (K-diagnosis wire) in instrument panel wiring harness
A121	Connection (high bus) in instrument panel wiring harness
A122	Connection (low bus) in instrument panel wiring harness
*	ESP only
**	from January 2002
***	engine code BHW only

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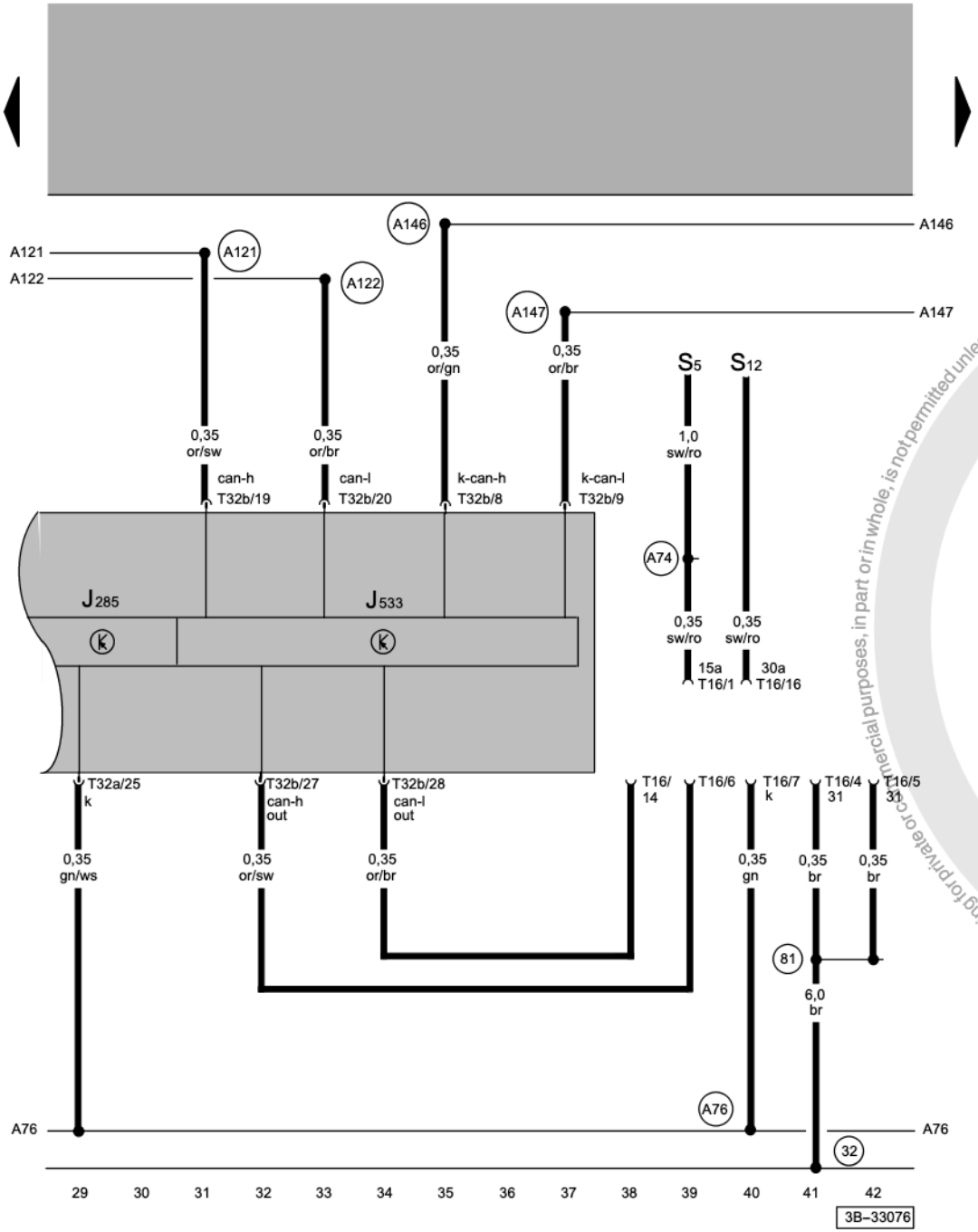

Control Module with indicator unit in instrument panel insert, Data Bus On Board Diagnostic Interface, Data Link Connector (DLC)

Edition10
.02

J285	Control module with indicator unit in instrument panel insert
J533	Data Bus On Board Diagnostic Interface
S5	Fuse
S12	Fuse
T16	16-Pin Connector, Data Link Connector (DLC)
T32a	32-Pin Connector, blue, on instrument cluster
T32b	32-Pin Connector, green, on instrument cluster
32	Ground connection, behind instrument panel, left
81	Ground connection -1-, in instrument panel wiring harness
A74	Connector (15a - fuse 5) in instrument panel wiring harness
A76	Connector (K-diagnosis wire) in instrument panel wiring harness
A121	Connection (high bus) in instrument panel wiring harness
A122	Connection (low bus) in instrument panel wiring harness
A146	Comfort System High-bus Connection (in instrument panel wiring harness)
A147	Comfort System Low-bus Connection (in instrument panel wiring harness)

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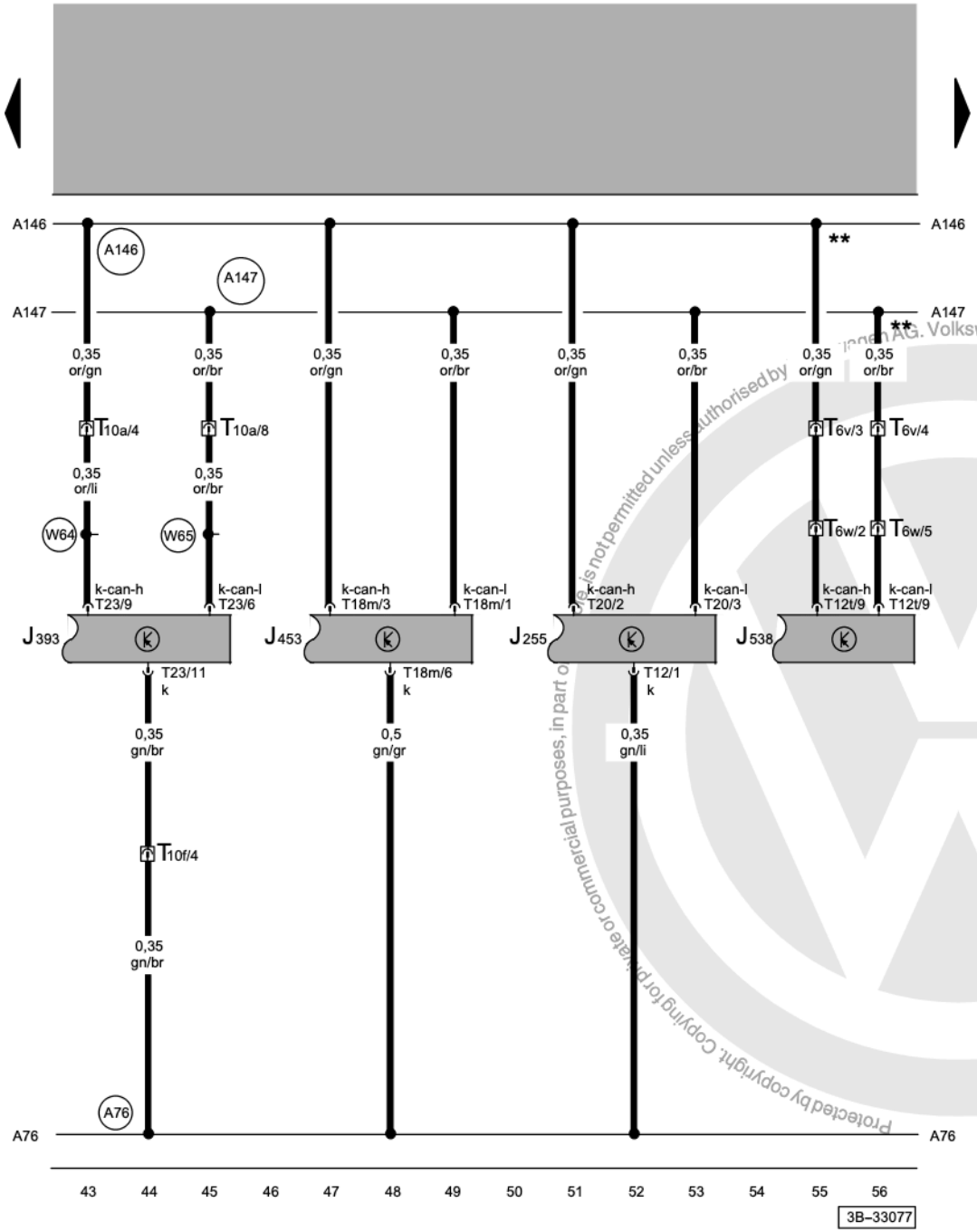

Climatronic Control Module, Central Control Module for comfort system, Control Module for multi- function streering wheel, Fuel Pump (FP) Control Module

Edition10
.02

J255	Climatronic Control Module
J393	Central control module for comfort system
J453	Control module for multi-function steering wheel
J538	Fuel Pump (FP) Control Module
T6v	6-Pin connector, lilac
T6w	6-Pin connector
T10a	10-Pin Connector, brown, connector station A-pillar, left
T10f	10-Pin Connector, blue, connector station A-pillar, left
T12	12-Pin Connector, black, on Climatronic Control Module
T12t	12-Pin connector, on Fuel Pump (FP) Control Module
T18m	18-Pin Connector, black, on Control module for multi-function steering wheel
T20	20-Pin Connector, red, on Climatronic Control Module
T23	23-Pin Connector, black, on Central control module for comfort system
A76	Connector (K-diagnosis wire) in instrument panel wiring harness
A146	Comfort System High-bus Connection (in instrument panel wiring harness)
A147	Comfort System Low-bus Connection (in instrument panel wiring harness)
W64	CAN-Bus High Connection - Convenience (in floor wiring harness)
W65	CAN-Bus Low Connection - Convenience (in floor wiring harness)
**	code BDP only

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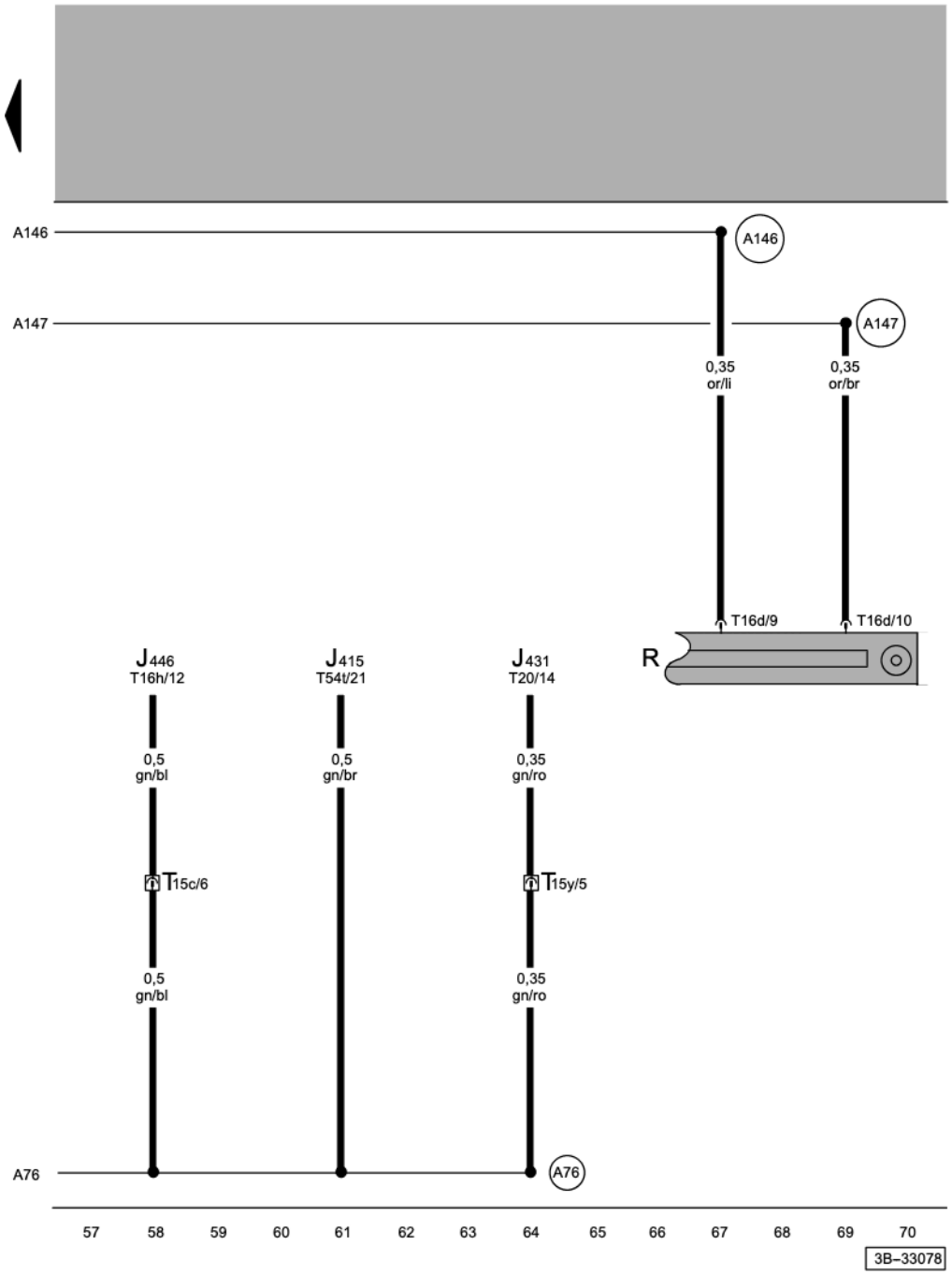

Radio

Edition10
.02

J415	Tuner for navigation/TV
J431	Headlight Range Control Module
J446	Control module for parking aid
R	Radio
T15c	15-Pin Connector, red, connector station A-pillar, right
T15y	15-Pin Connector, black, connector station A-pillar, right
T16d	16-Pin Connector, black, on Radio
T16h	16-Pin Connector, on Control module for parking aid
T20	20-Pin Connector, red, on Headlight Range Control Module
T54t	54-Pin Connector, black, on Tuner for navigation/TV
A76	Connector (K-diagnosis wire) in instrument panel wiring harness
A146	Comfort System High-bus Connection (in instrument panel wiring harness)
A147	Comfort System Low-bus Connection (in instrument panel wiring harness)

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